

Docket No. 240037US0X DIV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Fabrice BALAVOINE, et al.

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: METHOD FOR IMMOBILISING AND/OR CRYSTALLISING BIOLOGICAL MACROMOLECULES ON CARBON NANOTUBES AND USES

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449 and cited in the attached International Search Report. Copies of the listed references were previously filed in parent application serial no. 09/673,668, filed on December 1, 2000.

☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.

☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

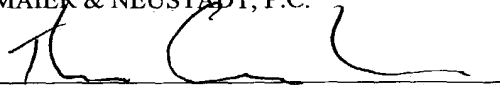
- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Norman F. Oblon

Registration No. 24,618



22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Thomas M. Cunningham
Registration No. 45,394

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 240037USOX DIV		SERIAL NO. New Application	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Fabrice BALAVOINE, et al.			
				FILING DATE Herewith		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	US-5,866,434	02-1999	MASSEY, et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	WO 97/32571	09/12/97	WIPO			
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AV	S.C. TSANG, et al., J. Chem. Soc., Chem. Commun., pages 1803-1804, "IMMOBILIZATION OF SMALL PROTEINS IN CARBON NANOTUBES: HIGH-RESOLUTION TRANSMISSION ELECTRON MICROSCOPY STUDY AND CATALYTIC ACTIVITY", 1995					
	AW	Jason J. DAVIS, et al., Inorganica Chimica Acta, vol. 272, pages 261-266, "THE IMMOBILISATION OF PROTEINS IN CARBON NANOTUBES", 1998					
	AX	Wolfgang FREY, et al., Proc. Natl. Acad. Sci. USA, vol. 93, pages 4937-4941, "TWO-DIMENSIONAL PROTEIN CRYSTALLIZATION VIA METAL-ION COORDINATION BY NATURALLY OCCURRING SURFACE HISTIDINES", May 1996					
	AY	Christian DIETRICH, et al., Proc. Natl. Acad. Sci. USA, vol. 92, pages 9014-9018, "MOLECULAR ORGANIZATION OF HISTIDINE-TAGGED BIOMOLECULES AT SELF-ASSEMBLED LIPID INTERFACES USING A NOVEL CLASS OF CHELATOR LIPIDS", 1995					
	AZ	Elizabeth W. KUBALEK, et al., Journal of Structural Biology, vol. 113, pages 117-123, "TWO-DIMENSIONAL CRYSTALLIZATION OF HISTIDINE-TAGGED, HIV-1 REVERSE TRANSCRIPTASE PROMOTED BY A NOVEL NICKEL-CHELATING LIPID", 1994					
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 240037US0X DIV		SERIAL NO. New Application	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Fabrice BALAVOINE, et al.			
FILING DATE Herewith				GROUP			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AU	Shik Chi TSANG, et al., Angew Chem. Int. Ed. Engl., "IMMOBILIZATION OF PLATINATED AND IODINATED OLIGONUCLEOTIDES ON CARBON NANOTUBES", pp. 2198-2200, Vol. 36, No. 20, (1997).					
	AX						
	AY						
	AZ					<input checked="" type="checkbox"/> Additional References sheet(s) attached	
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							